# **区块链的联盟链开源项目介绍**

### **一、可选项目解读**

##### **1）<https://github.com/hyperledger/hyperledger>**

HpperLedger是一个进行中的项目，目前还没决定使用哪个版本作为主线开发，但是提供了以下四个候选方案：

（这些内容是HyperLedger项目还未确定的时候，现在已经确定叫Fabric, GO语言开发）

****a.****<https://github.com/ripple/rippled>

瑞波币的推荐方案

实现语言：C++

****b.****<https://github.com/openblockchain>

IBM 推荐的 openblockchain 方案

实现语言：GO语言

****c.****<https://github.com/DigitalAssetCom/hlp-candidate>

DAC本家的hlp

实现语言：JAVA

****d.****<https://github.com/ElementsProject/elements>

BlockStream 推荐的 elements 方案

实现语言：C++

##### **2）<https://github.com/IBM-Blockchain/marbles>**

IBM 本家基于bluemix云平台的推荐方案，与bluemix绑定

实现语言：js on Node.js

##### **3) <https://github.com/openchain/openchain>**

Coinprism公司开源的openchain

实现语言；C#

##### **4)<https://github.com/HydraChain/hydrachain>**

基于以太坊平台的私有链技术，名字好~

摘要描述：

HydraChain is an extension of the [Ethereum](https://ethereum.org/) platform which adds support for creating [Permissioned Distributed Ledgers](http://www.ofnumbers.com/2015/04/06/consensus-as-a-service-a-brief-report-on-the-emergence-of-permissioned-distributed-ledger-systems/). Its primary domain of application are [private chain or consortium chain](https://blog.ethereum.org/2015/08/07/on-public-and-private-blockchains/) setups.

##### **5）<https://github.com/myblockchain/myblockchain>**

类SQL方式的Blockchain，很新颖有趣。

实现语言：C++

forked by: mysql-server

摘要描述：

Start your own blockchain with the following simple command:

CREATE TABLE blocks (

id INT,

previous\_block\_id INT) TYPE=innodb;

Don't forget to generate the Genesis block! Everyone can feel like Satoshi in the private Blockchain world!

INSERT INTO blocks (id, previous\_block\_id) VALUES (42, NULL);

Now you are free to create your own transactions, make coins appear out of thin air, send them to yourself or your friends, censor the transactions of your competitors and collect transaction fees that are actually worth your time.

##### **6) <http://www.multichain.com/>**

一个构建私有区块链的伪开源平台，也许未来是商业的

##### **7)<https://erisindustries.com/>**

带智能合约的区块链构建方案

****8）**<http://blockstrap.com/>**

html5 framework for blockchain applications

****9）**<http://tendermint.com/developers/>**

****以上有很多基于HyperLedger展开的，以下是一些新更新的内容，含某些公有链：****

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| --- | --- | --- |
| 智能合约系列 | |  |
|  | 以太坊 |  |
|  | Rootstock | |
|  | Eris |  |
|  | Lisk |  |
| 比特币扩展 | |  |
|  | Blockstream | |
|  | ColoredCoins | |
|  | CounterParty | |
|  | Liginting.Network | |
|  |  |  |
| 共识 | 比特币 |  |
|  | 点点币 |  |
|  | 比特股 |  |
|  |  |  |
| 私有链 | multichain | |
|  |  |  |
| 国内项目 |  |  |
|  | 维优-Metaverse | |
|  | 布比联盟链 | |
|  | 小蚁数字资产 | |
|  | BitSE-vechain | |